



The First Annual Renewable Energy Technologies-Energy Storage Symposium

AGENDA

June 14, 2019
8:30 a.m. - 4:40 p.m. (PST)
Warren-Alquist State Energy Building
1516 Ninth Street
Arthur Rosenfeld Hearing Room
Sacramento, California 95814

8:30-8:45 **Welcome & Opening Remarks**

California Energy Commission and Sandia National Laboratories

8:45-10:15 **Energy Storage Chemistries and Technologies**

Vincent Sprenkle, Pacific Northwest National Laboratory (PNNL)
Summer Ferreira, Sandia National Laboratories (SNL)

10:15-10:30 ***Morning Break***

10:30-12:00 **Component Testing**

Yuliya Preger, SNL – Batteries
Sig Gonzales, SNL – Inverters
Tu Nguyen, SNL – EMS and BMS





12:00-1:00 ***Lunch Break***

1:00-1:45 **Performance Metrics**

Vilayanur (Vish) Viswanathan, PNNL – Power
David Rosewater, SNL – Energy, Charge/Discharge, and Losses

1:45-2:30 **Commissioning**

Dan Borneo, SNL

2:30-2:45 ***Afternoon Break***

2:45-3:30 **Fire Hazard Elimination and Suppression**

David Rosewater, SNL

3:30-4:00 **System Design, Assembly Considerations, and Interconnection**

Dan Borneo, SNL
Charlie Vartanian, PNNL

4:00-4:30 **Reliability and Degradation Analysis**

Summer Ferreira, SNL
Daiwon Choi, PNNL

4:30-4:40 ***Closing Remarks***

Armand Angulo, Manager, California Energy Commission – Renewable Energy Division

After the meeting, Sandia staff will be available for open discussions.

